Science 90- Element Project

Name: _____

My Element: _____

My Compound: _____

Your task is to create two things: A model of your element, and a model of a compound that contains your element.
This is a fairly open project- build the models out of whatever you wish. The bottom line is whether you have built models that really represent your element.

1- **Your element model**
   Be sure that the protons, neutrons, and electrons are correctly represented.
   Use color to differentiate the parts.
   How are the parts connected or spaced?

2- **Your compound model**
   Is the relative size of the atoms in your compound accurate?
   Is the location of the elements accurate? Are the elements angled?
   Do you show how the valence energy levels interact?
   Are the electrons being shared or donated?

3- **Questions**

a) What state is your element? _____

b) What state is your compound? _____

c) What are three other compounds that your element can make? Show the Name and Formula.

d) Research the compound. What is a use for the compound you made? Explain how the industrial process works.